



Australian Government

Department of Education, Employment and Workplace Relations

LMTTD4001A Produce knitted textile samples

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge required to perform knitting techniques to produce knitted design samples.

Application of the Unit

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The unit applies to the interpretation of design specifications, and use of knitting machine to produce fabrics or knitted product samples such as garments, bags or shawls.

Work may be conducted in small to large scale enterprises and may involve individual and team-related activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards agreements and conditions of employment
- standard operating procedures
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control, and recycling

This unit requires the application of communications skills associated with interpreting patterns and specifications, and planning and organising skills for the safe and effective use of knitting technology and operations. This unit also requires an ability to check the quality of outcomes and identify and address problems relating to production. Initiative and enterprise and problem solving will be used to combine yarns and processes to achieve desired design outcomes.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Interpret <i>production requirements</i>	1.1 Pattern requirements are analysed and design specifications discussed with appropriate personnel to confirm production requirements 1.2 Desired effects of knitting are identified and appropriate knitting structure and technique selected to match required outcome 1.3 Materials and yarns, quantities and knitting techniques are selected according to design requirements
2 Produce knitted design <i>sample</i>	2.1 Workstation, tools and equipment are set up according to specifications for work 2.2 Yarns to be knitted are checked against quality standards 2.3 Knitting techniques are undertaken to meet design specifications for sample and according to OHS practices 2.4 Knitting techniques and outcomes are monitored throughout to identify production faults
3 Check quality of sample	3.1 Completed sample is checked against design specifications and pattern to ensure quality standards are met 3.2 Knit faults and production problems are identified and causes determined 3.3 Knitting process, technique and materials used are analysed to determine necessary modifications to knitting techniques, processes or patterns
4 Complete production process	4.1 Knit faults and production problems are rectified or sample is reproduced according to modifications 4.2 Knitted sample is finished according to design specifications 4.3 Modifications and processes are documented 4.4 Outcomes are examined with appropriate personnel and possible modifications to design are discussed and documented

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- knit modification techniques
- knitting machine techniques
- yarn characteristics
- typical fault conditions
- fault-finding procedures
- types and styles of knitted fabrics
- simple equipment maintenance techniques
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices
- workplace practices
- recording and reporting practices

Demonstrates skill to:

- check operational readiness of equipment
- prepare yarn and thread for production
- start and stop equipment
- monitor production
- recognise and rectify faults or problems as required
- read, interpret and follow information on work specifications, standard operating procedures and work instructions and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence to be considered	Demonstrates skills and knowledge to: • analyse design specifications and interpret production requirements • identify and address faults • make minor adjustments to equipment • produce knitted sample according to design specifications • monitor own work and conduct quality check of sample outcome
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks • identifying improvements • using workplace practices • using OHS practices • recording and reporting accidents and incidents • assessing operational readiness of equipment used and work processes • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions • completing work systematically with attention to detail without damage to goods and equipment
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment.
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.

Production requirements may include

- shaping
- hems
- tension
- stitches
- patterning
- striping
- weaving
- tuck and slip
- colour
- pattern
- size
- stitch gauge
- tension

Appropriate personnel may include

- trainers
- colleagues
- mentors
- designers
- pattern makers
- members of the design team

Knitting techniques may include

- flat knitting
- circular knitting
- sock knitting
- weft knits
- warp knits
- plain, purl, double, tricot knit
- jacquard

Materials and yarns may include

- cotton
- buttons, components
- wool
- nylon
- acrylic

	• polypropylene • polyester cotton • viscose • blends
Sample may include	• complete garment • sample fabrics
Tools and equipment may include	• knitting machines • punch card • blocking board • double bed colour changer • sewing machine • overlocker • garter bar and deco
OHS practices	OHS practices must include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit and may include: • manual handling techniques • standard operating procedures • personal protective equipment • safe materials handling • taking of rest breaks • ergonomic arrangement of workplaces • following marked walkways • safe storage of equipment • housekeeping • reporting accidents and incidents • other OHS practices relevant to the job and enterprise
Knit faults and production problems may include	• holes • foreign matter • creasing • lines • runs • machine or equipment faults

Unit Sector(s)

Sector Textile Design and Development